TEJUS
CONSULTANTS

No.TC/BBMP/YNK-PMC/525/20-21 Date:

To
The Executive Engineer
Yelahanka Division
NH-7 Road, Bangalore – 560 092

Dear Sir

Sub: **Improvements to Roads,Drains and other developmental works in Kempegowda ward No.01 under SWM head in Chief Minister Nava Nagarothan grants of Yelahanka division, (Package-06)**

In reference to the above subject, this is to bring to your kind notice that we have scrutinized the **First and Final bill** submitted by **Sri. Yogesh M/S Nandi Constructions Ltd** towards the above said work and arrived at an amount of **9,87,92,889.96 (Rupees Nine Crore Eighty Seven Lakh Ninety Two Thousand Eight Hundred Eighty Nine and Paise Ninety Six Only)** the work has been completed satisfactorily.

This is for your kind information.

Thank you and assuring you the best of our Services at all the times

For Tejus Consultants
(Nischal M)

Name of the work : Improvements to Roads,Drains and other developmental works in Kempegowda ward No.01 under SWM head in Chief Minister Nava Nagarothan grants of Yelahanka division, (Package-06)

Contractor/Agency : Sri. Yogesh M/S Nandi Constructions

Name of the Client : Executive Engineer,
Yelahanka Division
BBMP, Bangalore-92

Estimated Cost : Rs 1000.00 Lakhs

Status of Bill : 1st and Final bill

In the Presence of : (a) Mr. Mallinath
Assistant Engineer, BBMP, Bangalore.
: (b) Mr. Rajanikanthmalli
Assistant Executive Engineer, BBMP, Bangalore
: (c) Mr.Harish R K, Site Engineer
M/s Tejus Consultants

SL NO	Description of Item	Comments/observation
1	Desk supply for students at Govt Schools and Colleges under Yelahanka BBMP limits ward No.1, 5 setaer student duel desk.	Work done up to the billed quantity and quality is satisfactory
2	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301	Work done up to the billed quantity and quality is satisfactory
3	KSRB 2-2.1 : Earthwork excavation by manuals means for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 Page No.6	Work done up to the billed quantity and quality is satisfactory
4	Removing & refixing stone slab of drain	Work done up to the billed quantity and quality is satisfactory

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5	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301 KBS Page No.147 It No.19.62	Work done up to the billed quantity and quality is satisfactory
6	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 Page No.13 It No.4.7	Work done up to the billed quantity and quality is satisfactory
7	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.270, I.No.37.59.1)	Work done up to the billed quantity and quality is satisfactory
8	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications.Specification for TMT bars Fe 500(Page No-229. INo.28.8.2 2018-19)	Work done up to the billed quantity and quality is satisfactory
9	Providing and fixing precast cover slab made out of CC 1:2:4 with 10cm thick finishing cutting including form work,cost of all materials,labour hire charges of chinery loading and unloading lead and lift transportation etc, complete (Data rate)	Work done up to the billed quantity and quality is satisfactory
10	Providing and fixing Precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work,curing,including cost of all materials,labour,hire charges machinery, loading unloading,lead and lift,transportation etc.complete and as per Engineer in-charge. (Data Rate)	Work done up to the billed quantity and quality is satisfactory
11	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete as per specifications.Page No.27,Item No.5.30	Work done up to the billed quantity and quality is satisfactory

12	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8) Page No.180 Item No.24.1	Work done up to the billed quantity and quality is satisfactory
13	KSRRB M600-1. Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 of MORTH V Revision and IS 456 Table-5 22.1.1-do-with OPC at 150kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using concrete batch mix plant at 75 Cum/hr capacity with slip farm layer with electronic sensor.age No.174,Item No.22.1.1	Work done up to the billed quantity and quality is satisfactory
14	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.Page No.176, It No.22.6.1	Work done up to the billed quantity and quality is satisfactory
15	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305..Page No.147,Item No.19.60	Work done up to the billed quantity and quality is satisfactory

16	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.6,P No-153)	Work done up to the billed quantity and quality is satisfactory
17	KSRRB M400-17. Providing, laying,spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired surface and compacting with vibratory roller to achive the desired density complete as per specifications.MORTH Specification No.406 (I No-20.18,P No-155)	Work done up to the billed quantity and quality is satisfactory
18	KSRRB M500-6.Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision .Item No.- 21.6 ,Page No.158	Work done up to the billed quantity and quality is satisfactory
19	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 page No.158 It No.21.2	Work done up to the billed quantity and quality is satisfactory
20	KSRRB 500-17 Provding and laying dense geaded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision 21.17.6 -do- using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen ,(Item No-21.17.2 , Page No-160)	Work done up to the billed quantity and quality is satisfactory
21	KSRRB M500-7.Providing and applying Tack coat using 80/100 bitumen(VG 10) on prepared black topped surface at 2.5 kg per 10 sqm,heating bituman in boiler fitted with spray set (excluding cleaning of road surface)including cost of materials,labour, HOM complete as per specifications. Clause 503 of MORTH V revision .Item No.-21.7 ,Page No.158	Work done up to the billed quantity and quality is satisfactory

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22	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laing with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. ,using 40-60 TPH capacity HMP with mechanical paver II(30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% of VG-30 bituminous (60/70grade) and 0.43% of plastomeric thermoplastics (Waste plastic)Pg No-171.It No.21.78.12	Work done up to the billed quantity and quality is satisfactory
23	Providing and fixing of Retro-Reflectorised cautionary, mandatory and informatory signs as per IRC:67 made of high intensity grade sheeting vide Clause 8001.3, fixed over aluminium sheeting,1.5mm thick supported on a milld steel angle iron post 75x75x6mm firmly fixed to the ground by means of properly disigned foundation with M15 Grade cement concrete 45cm x 45cm x 60cm, 60cm below ground level as per approved drawing Page No.180. It No.24.2.	Item Not Operated
24	KSRRB M800-4. Direction and Place Identification Signs / Project information board with size more than 0.9 sqm Size Board:- MProviding and erecting direction and place identification of retro-reflectorised signs as per IRC:67 made of high intensity grade sheeting vide Clause 8001.3, fixed over aluminium sheeting,1.5mm thick supported on a milld steel angle iron post 75x75x6mm firmly fixed to the ground by means of properly disigned foundation with M15 Grade cement concrete 45cm x 45cm x 60cm, 60cm below ground level as per approved drawing Page No.180. It No.24.4	Work done up to the billed quantity and quality is satisfactory
25	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page No.182.It No.24.15	Work done up to the billed quantity and quality is satisfactory
26	For rainwater harvesting work including 40mm jelly, 20mm jelly coarse sand,fine sand ,12.50mm chips as per data rates	Item Not Operated
27	KSRRB M2100-1.1. Earth work in excavation for foundation of structures as per drawing and technical specifications, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling complete as per specifications I. Ordinary soil - A . Manual Means (i) Depth upto 3m MORTH Specification No. 304(Page No.220 It No.27.1)	Work done up to the billed quantity and quality is satisfactory

28	KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100(Pg No.222 It No.27.18)	Work done up to the billed quantity and quality is satisfactory
29	KSRRB M2100-7.Back filling the Marshy Foundations pits of abutment wing walls and returns using approved material with ramming and wtaering with all lead and lifts, cost of labour,HOM etc., complete as per specification and direction of the Engineer of the work" MORTH specification No.304 (PG.221 INo. 27.15)	Work done up to the billed quantity and quality is satisfactory
30	M2200-9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per specifications MORTH Specification No.2504.2.2	Work done up to the billed quantity and quality is satisfactory
31	KSRRB M2100-10. Plain cement concrete M10 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications MORTH Specification No. 2100 (Pg No.222 It No.27.18)	Item Not Operated
32	KSRRB M2100-19.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 complete as per Drawing and Technical Specifications Case - II : With Batching Plant, Transit Mixer and Concrete Pump MORTH Specification No. 1500,1700 & 2100(Pg No.223 It No.27.35)	Work done up to the billed quantity and quality is satisfactory
33	KSRRB M2100-19.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 complete as per Drawing and Technical Specifications Case - II : With Batching Plant, Transit Mixer and Concrete Pump MORTH Specification No. 1500,1700 & 2100(Pg No.223 It No.27.35)	Work done up to the billed quantity and quality is satisfactory

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34	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Pg No.229 It No.28.8)	Work done up to the billed quantity and quality is satisfactory
35	KSRRB M2100-19.2. Plain / Reinforced Cement Concrete in Open Foundation with OPC cement design mix M30 @ 360kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 complete as per Drawing and Technical Specifications Case - II : With Batching Plant, Transit Mixer and Concrete Pump MORTH Specification No. 1500,1700 & 2100(Pg No.223 It No.27.35)	Work done up to the billed quantity and quality is satisfactory
36	KSRRB M2200-8. Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing foce. Complete as per drawing and Technical Specifications complete as per specifications MORTH Specification No.2706 & 2200 (Pg No.229 IT No.28.10)	Work done up to the billed quantity and quality is satisfactory
37	KSRRB M2700-6. PCC M15 Grade leveling course below approach slab complete as per drawing and Technical specification complete as per specifications MORTH Specification No. 2700 (Pg No.247 IT No.32.6)	Work done up to the billed quantity and quality is satisfactory
38	KSRRB M2700-7. Reinforced cement concrete M30 approach slab including reinforcement at 50kgs / cum and formwork complete as per drawing and Technical specification complete as per specifications MORTH Specification No.1500, 1600, 1700 & 2704 (Pg No.247 IT No.32.7)	Work done up to the billed quantity and quality is satisfactory
39	KSRRB M2300-9.1. Furnishing and Placing Reinforced / Prestressed cement concrete in super-structure as per drawing and Technical Specification complete as per specifications. E. PSC with OPC cement design mix M40 @ 420kgs, with 20mm and down size graded granite metal coarse aggregates @0.67cum and fine aggregates @ 0.44cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, Case - I : Using Concrete Mixer MORTH Specification No. 1500,1600 & 1700 Height Upto 5m	Work done up to the billed quantity and quality is satisfactory
40	KSRRB M2500-4.1. Providing and laying stones of size 0.3x0.3x0.3 m on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications A. Stone / Boulder MORTH Specification No. 2504 (Pg No.241 It No.30.5)	Item not Operated

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41	KSRRB M800-6 Painting Letters KSRRB M800-6. Painting two coats on New Concrete Surface:-Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specifications. MORTH Specification No. 803 (Pg No.181 It No.24.7)	Work done up to the billed quantity and quality is satisfactory
42	**SAMUDHAYA BHAVANA PART-B**	
43	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Page 5	Work done up to the billed quantity and quality is satisfactory
44	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 5/I.No. 2.4 of PWDSR 2018-19)	Work done up to the billed quantity and quality is satisfactory
45	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. (P6/2.15)	Work done up to the billed quantity and quality is satisfactory
46	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with stone aggregates of 40mm and down size in foundation upto a depth of 2m below ground level and upto a height of 1.5m above ground level/bed level machine mixed , concrete laid in layers not exceeding 15 cms. thick, well compactedcomplete as per specifications. Specification No. KBS (P.12/4.3)	Work done up to the billed quantity and quality is satisfactory
47	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(P.22/5.6)	Work done up to the billed quantity and quality is satisfactory
48	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(P.22/5.9)	Work done up to the billed quantity and quality is satisfactory

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49	KSRB 4-1.5 : Providing and laying in position plain cement concrete of nominal mix1:2:4 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.6)	Work done up to the billed quantity and quality is satisfactory
50	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(P115/It No.15.1)	Work done up to the billed quantity and quality is satisfactory
51	KSRB 2.3: Filling available excavate earth(excluding rock) in sides of foundations upto plinth in layers not exceeding 20cm in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labours complete as per specifications.(P7/2.10 PWD SR-2018-19)	Work done up to the billed quantity and quality is satisfactory
52	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications. (P7/2.13)	Work done up to the billed quantity and quality is satisfactory
53	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. ramming with all lead and lift complete as per specifications. (P15/4.28)	Work done up to the billed quantity and quality is satisfactory
54	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. (P15/4.32)	Work done up to the billed quantity and quality is satisfactory
55	B. FIRST FLOOR: COLUMNS	Work done up to the billed quantity and quality is satisfactory
56	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. (P15/It 4.36)	Work done up to the billed quantity and quality is satisfactory
57	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. (P15/It 4.34)	Work done up to the billed quantity and quality is satisfactory
58	B. FIRST FLOOR: COLUMNS	Work done up to the billed quantity and quality is satisfactory
59	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. (P15/It 4.37)	Work done up to the billed quantity and quality is satisfactory

60	B. FIRST FLOOR: COLUMNS	Work done up to the billed quantity and quality is satisfactory
61	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons .ecification No. KBS 4.6.2 (P14/It 4.29)	Work done up to the billed quantity and quality is satisfactory
62	B. FIRST FLOOR: COLUMNS	Work done up to the billed quantity and quality is satisfactory
63	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6. (P. No. 13/ I.No. 4.13)	Work done up to the billed quantity and quality is satisfactory
64	B. FIRST FLOOR: COLUMNS	Work done up to the billed quantity and quality is satisfactory
65	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6(P 13/It4.19 PWD SR-2018-19)	Work done up to the billed quantity and quality is satisfactory
66	B. FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
67	Providing and fabricating T.M.T steel reinforcement bars including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.(P16/It 4.46)	Work done up to the billed quantity and quality is satisfactory
68	Lift charges for steel of all diameters for additional floors over ground floor per floor height of 3.5m or part there of cost of labour, complete as per specifications.	Work done up to the billed quantity and quality is satisfactory

69	KSRB 5-14 : Providing and constructing precast solid concrete blocks with compressive strength not lessthan 35 kg/sqm with cement mortor 1:4 masonry(quoin,jamb,closer blocks) with solid concrete blocks of size 40x20x20cms confirming to IS 2185 /1965 in superstructure including cost of all materials, labour charegs, scaffolding, curing complete as per specifications.(P24/It 5.27)	TEJUS CONSULTANTS Work done up to the billed quantity and quality is satisfactory
70	Providing and laying flooring for corridors/lobbies using combination of pre polished 19 mm thick water cut/gang saw Grey Granite, Black Granite, and strips of 50mm wide pre flamed grey granite using pre polished grey granite 19mm thick 76%, Pre polished black granite 19mm thick @ 2% and preflamed 19mm thick grey granite @22% over existing cement /colour pigment etc., complete. - using 19mm thick granite width not less than 1200mm (P.No.114, I.No.14.48.1)	Work done up to the billed quantity and quality is satisfactory
71	B. FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
72	KSRB 9.11 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. specification No.KSRB 9.4-2.(P46/It 9.10)	Work done up to the billed quantity and quality is satisfactory
73	Door Frames	Work done up to the billed quantity and quality is satisfactory
74	Window frames	Work done up to the billed quantity and quality is satisfactory
75	Ventilator frames	Work done up to the billed quantity and quality is satisfactory
76	KSRB 9-7.1 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (P46/It 9.21)	Work done up to the billed quantity and quality is satisfactory
77	KSRB 9-21.2 : Providing and fixing in position half panelled shutters at bottomand half glazed at top for window shutters with Teak wood styles and rails of25mm. thick, 75mm wide in two halves with panels of 20mm thick, 3mm thick reeded glass for top panels fixed with wooden beading including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34,(P No.46/It No.9.64)	Work done up to the billed quantity and quality is satisfactory

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78	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. (P.No. 35, I.No. 7.9)	Work done up to the billed quantity and quality is satisfactory
79	KSRB 7.1 : Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM of machinery complete as per specifications.(P33/It 7.1)	Work done up to the billed quantity and quality is satisfactory
80	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 15x15cms 6mm thick.	Work done up to the billed quantity and quality is satisfactory
81	KSRB 14-17.1 : Providing skirting, dado, rises of steps with white glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17(P 90/It 14.40)	Work done up to the billed quantity and quality is satisfactory
82	KSRB15-3-13 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P.No.116, I.No. 15.22)	Work done up to the billed quantity and quality is satisfactory
83	FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
84	KSRB15-3.5 : Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P.No. 115, I.No. 15.14)	Work done up to the billed quantity and quality is satisfactory
85	FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
86	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.(P 117/It15.33)	Work done up to the billed quantity and quality is satisfactory

87	B. FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
88	KSRB15-3.11 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P 116/It No.15.19)	Work done up to the billed quantity and quality is satisfactory
89	KSRB15-3.3 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P115/It 15.11).	Work done up to the billed quantity and quality is satisfactory
90	B. FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
91	KSRB 8.6-8 : Providing and fixing on wall surface. 4.0kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. (P.No. 49/ I.No. 8.19)	Work done up to the billed quantity and quality is satisfactory
92	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P119/15.49)	Work done up to the billed quantity and quality is satisfactory
93	B. FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
94	KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.(P.118/It 15.47.1)	Work done up to the billed quantity and quality is satisfactory
95	B. FIRST FLOOR	Work done up to the billed quantity and quality is satisfactory
96	KSRB13-1.1 : Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 15mm dia nominal bore with fittings (medium grade weight 1.27 kg/mtr) B class including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.8(P.92/It 13.1)	Work done up to the billed quantity and quality is satisfactory

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97	KSRB 11-11.8 : Providing and fixing white vitreous china clay, surgeon type wash basin size 660x460mm with a pair of 15mm C.P brass pillar taps with pair of elbow operated levers, C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. KBS 11(P.83/It 12.30)	Work done up to the billed quantity and quality is satisfactory
98	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3.(P 80/It 13.23)	Work done up to the billed quantity and quality is satisfactory
99	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 67, I.No.12.2)	Work done up to the billed quantity and quality is satisfactory
100	KSRB 11-8.1 : Providing and fixing white vitreous china clay, wall corner type, lipped front urinal basin of size 340x410x265mm with 5 litres P.V.C automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P 80/It 12.11)	Work done up to the billed quantity and quality is satisfactory
101	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications.	Work done up to the billed quantity and quality is satisfactory
102	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.	Work done up to the billed quantity and quality is satisfactory
103	Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. (P.No. 102, I.No. 15.59 of PWDSR 2018-19).	Work done up to the billed quantity and quality is satisfactory
104	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.No. 118, I.No. 15.60.1 of PWDSR 2018-19).	Work done up to the billed quantity and quality is satisfactory

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105	b).Medium point above 3Mtr to 6Mtr from tapping point to outlet via switch.	Work done up to the billed quantity and quality is satisfactory
106	c) Long point above above 6Mtr from tapping point to outlet via switch.	Work done up to the billed quantity and quality is satisfactory
107	Supplying 6A flush/projected type socket and 6 amps flush/projected type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required (P6/It 12a) Electrical SR 2012-13)	Work done up to the billed quantity and quality is satisfactory
108	a) 4"x4"x3"	Work done up to the billed quantity and quality is satisfactory
109	b) 12"x12"x3"	Work done up to the billed quantity and quality is satisfactory
110	c) 10"x7"x3"	Work done up to the billed quantity and quality is satisfactory
111	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws. (P10/It 22) Electrical SR 2012-13)	Work done up to the billed quantity and quality is satisfactory
112	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete upto 50mm conduit in brick in wall (P.3/It 7a) Electrical SR 2012-13)	Work done up to the billed quantity and quality is satisfactory
113	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia.(P.68/It 2) Electrical SR 2012-13	Work done up to the billed quantity and quality is satisfactory
114	Supplying and fixing of porcelain fuse channel with cut out on existing wooden/panel using necessary nuts,bolts and washers etc complete (P.32/It 3a) Electrical SR 2012-13	Work done up to the billed quantity and quality is satisfactory
115	Supplying heavy gauge PVC Conduit Pipe with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary.(P.2/I.2a) Electrical SR 2012-13	Work done up to the billed quantity and quality is satisfactory

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116	Supplying and fixing of PBBC brass/Bakelite straight or slant batten holder and wiring, within 60W/230 Volts lamps. .(P.13/I.12a) Electrical SR 2012-13	Work done up to the billed quantity and quality is satisfactory
117	Supply patty type flurescent tube light fitting of 4 feet 40 watts flurescent tube of 230 volts made of M.S sheet and stove enameled with heavy duty polyfill aluminium choke,starter,locking type brass contact holders mounted on foldable type sheet base fully wired for use on 230 volts AC supply including 1 No's 4'-36/40 watts fluorescent tube A group.(P.16/I.2a) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
118	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring A Group materials 1.50 sqmm materials.(P.9/I.2lb) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
119	Supplying and running GI/Copper conductor for grounding and (along with other wires of CTS or conduit system of wiring) using necessary suitable size clamps,nuts,washers etc..(P.68/I.3lc) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
120	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring as required .(P.36/I.12Ba) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
121	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system and as per technical data approved(Almanord, Unique ISI, Anchor, Crompton, Khaitan,Bhajaj, Usha, Johnson make) (P.23/I.23lla) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
122	Fixing ceiling fan of all capacities and all types to the existing S hook with fan regulator to the existing board together with supplying and fixing a 5 ampers ceiling rose,necessary length of 23/.0076 inch PVC insulated twin twisted copper wire and wiring completely.(P.29/I.8) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
123	Supplying and Fixing of 32mm dia class A GI pipe bracketup to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall usingsuitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. (P.28/I.12b) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory
124	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.in hard soil. (P.70/I.6b) Electrical SR-2012-13	Work done up to the billed quantity and quality is satisfactory

Asst. Executive Engineer
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